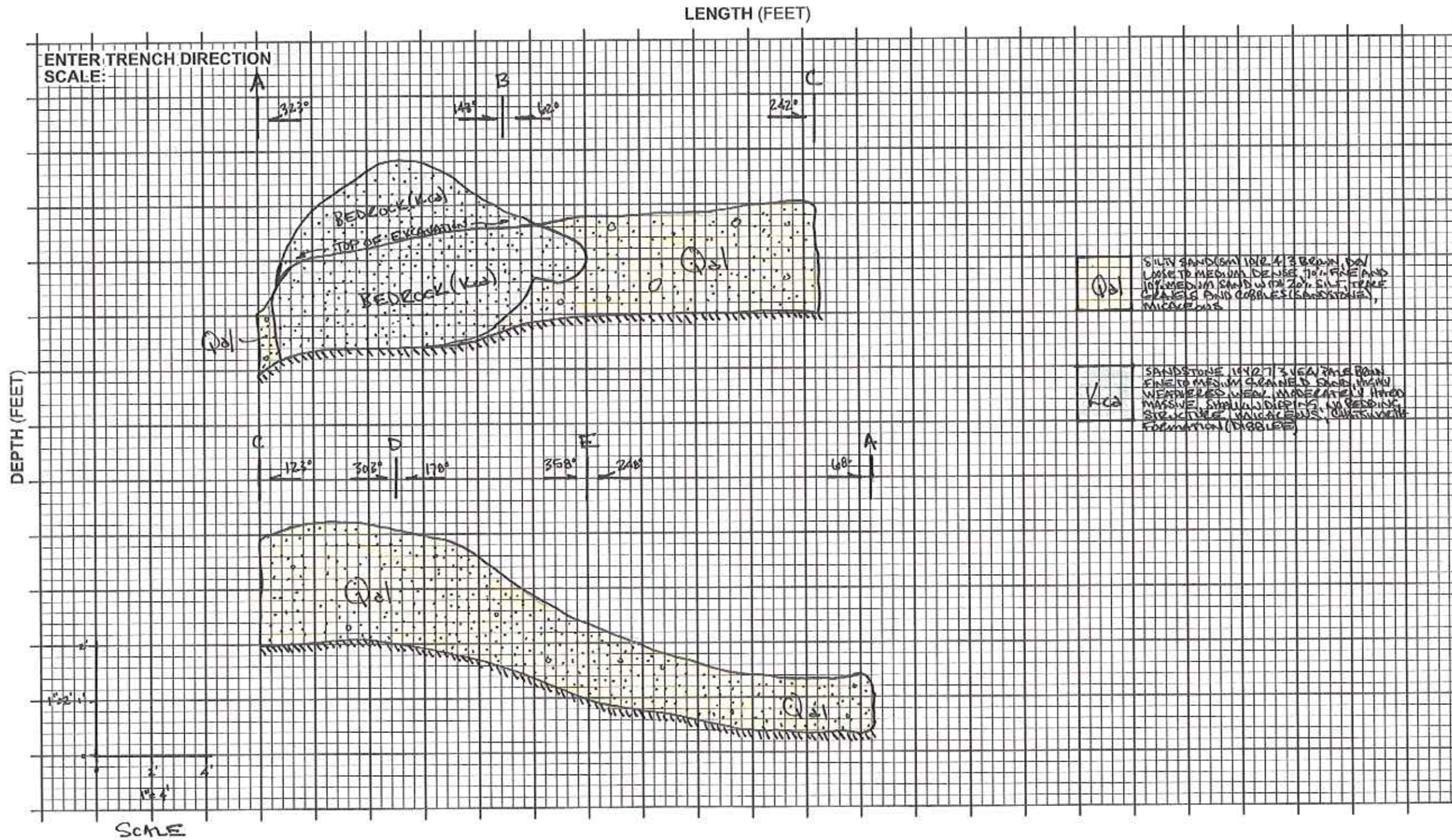
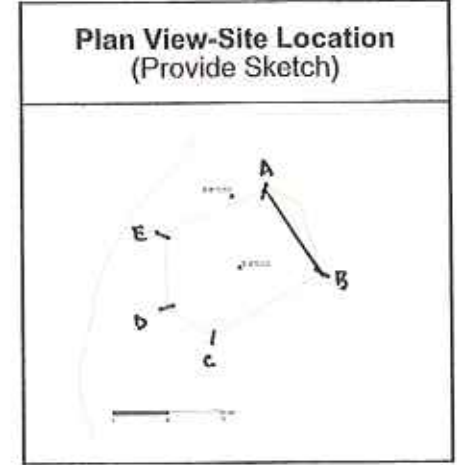




Project Name 2010 ISRA Implementation			FIELD TRENCH LOG			
Trench Number BITS 0299	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-1C	Sheet 2 of 2		
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 5 AUGUST 2010	Date and Time Completed 5 AUGUST 2010	Refusal? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	If Yes Depth =	
Equipment Type EXCAVATOR	Trench Orientation NE-SW	Total Depth 2.5 ft. bgs	Total Number of Samples 2	Photo? (Circle One) Yes <input checked="" type="radio"/> No <input type="radio"/>	No.	
Bucket Width 4 ft.	Trench Length 19 ft.	Trench Width 12 ft.	No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/>	
Geologist or Hydrogeologist's/Date STACIE L. AICHNER LOGGED ON 28 OCTOBER 2010			Checked by/Date SAGE PA 8465 3/31/11	Drive <input checked="" type="checkbox"/>	Hard Auger <input checked="" type="checkbox"/>	
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW			

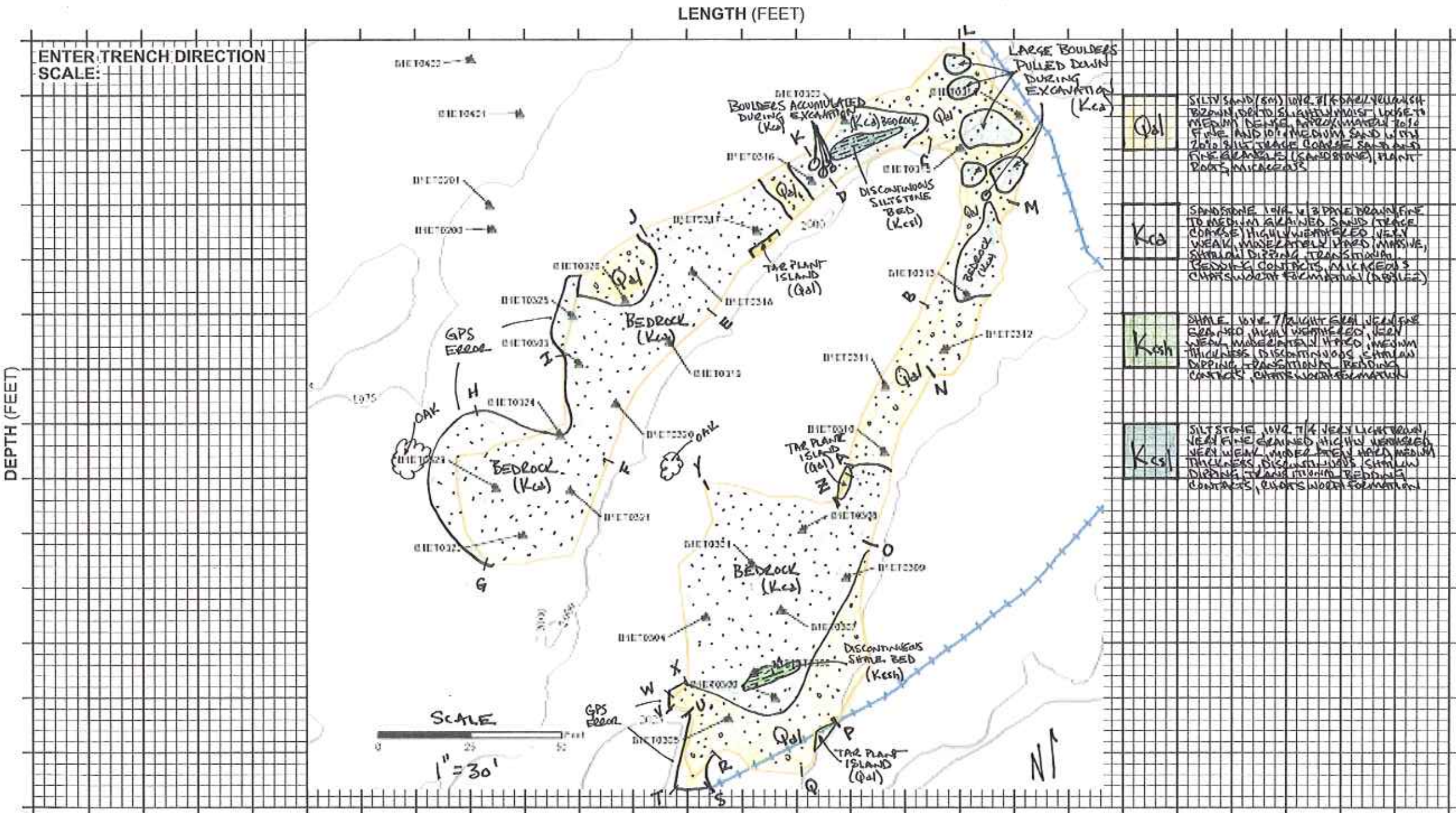
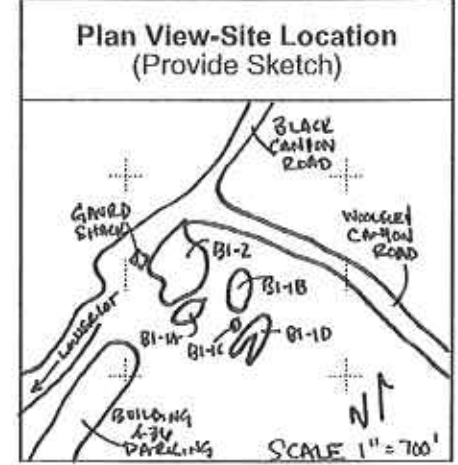


Qs1 SILTY SANDS (M) 10% 4-3 BROWN, DOL
LOOSE TO MEDIUM DENSE, TO 1.5 FEET AND
10% MEDIUM SAND WITH 20% SILT, FINE
GRAVEL AND COBBLES (SANDSTONE),
MICA CLASTS

Kca SANDSTONE 10% 2-1 3 VEA FINE BROWN
FINE TO MEDIUM GRAINED SAND, MEDIUM
WEATHERED, WEAK TO MODERATELY HARD
MASSIVE, SHALLOW DIPS IN BEDDING
STRUCTURE, MICA CLASTS, CARBONATE
FORMATION (FRAGILE)

- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X** ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G** GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

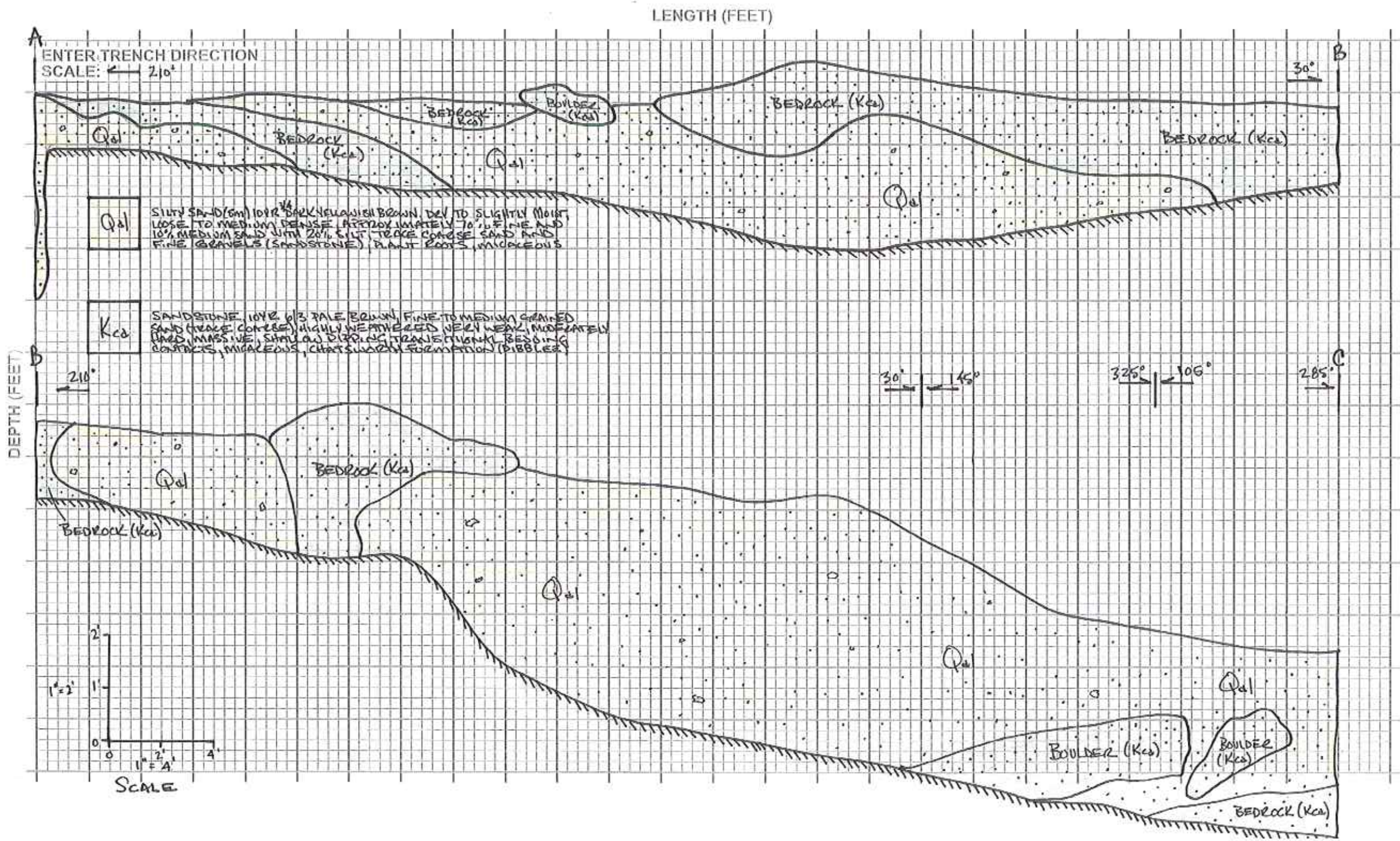
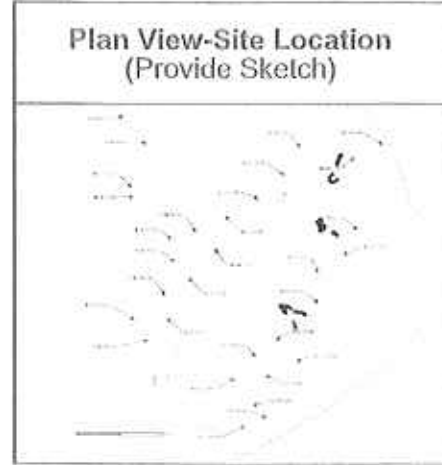
Project Name				FIELD TRENCH LOG				
2010 ISRA Implementation		Project Number		Elevation and Datum		Location		
Trench Number BITS0399		1008208.1163110		SURVEYED BY SAGE		BI-1D		
Equipment Supplier MPE		Operator DAVID WILMER		Date and Time Started 28 JULY 2010		Date and Time Completed 5 AUGUST 2010		
Equipment Type EXCAVATOR		Trench Orientation PREDOMINANTLY NE-SW		Total Depth UP TO 8 FEET BOS		Total Number of Samples 28		
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 68 ft.	No. of Samples	Bulk \emptyset	Grab 28	Drive \emptyset	Hand Auger \emptyset	
Geologist or Hydrogeologist/Date STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010			Checked/Date <i>[Signature]</i> 8/2/10 3/31/11				Refusal? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No If Yes Depth = 1 ft bgs	
							Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No	
							% Man-Made Debris	
							Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

* THE ISRA AREA BOUNDARY SHOWN IN ORANGE IS THE TENTATIVE GPS DEFINED AREA AND WAS LATER SURVEYED BY SAGE CONSULTANTS.

Project Name 2010 ISRA Implementation		FIELD TRENCH LOG		
Trench Number BITS0399	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location BI-1D	Sheet 2 of 11
Equipment Supplier MPE	Operator DAVID WILMERZ	Date and Time Started 28 JULY 2010	Date and Time Completed 5 AUGUST 2010	Retain? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth: 1 ft. bgs
Equipment Type EXCAVATOR	Trench Orientation PREDOMINANTLY NE-SW	Total Depth UP TO 8 ft. bgs	Total Number of Samples 28	Photo? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 60 ft.	No. of Samples Bulk \emptyset Grab 28	% Man-Made Debris
Geologist or Hydrogeologist's Name STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010		Checked by Date SAGE 8/4/10 3/31/11		Wall of Trench Shows (Circle One) N S E W NE NW SE SW



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- - - - OTHER CONTACT (AS INDICATED ON LOG)
- - - - FILL/NATIVE BOUNDARY
- X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- //// SHADING TO DENOTE STAINING
- //// BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

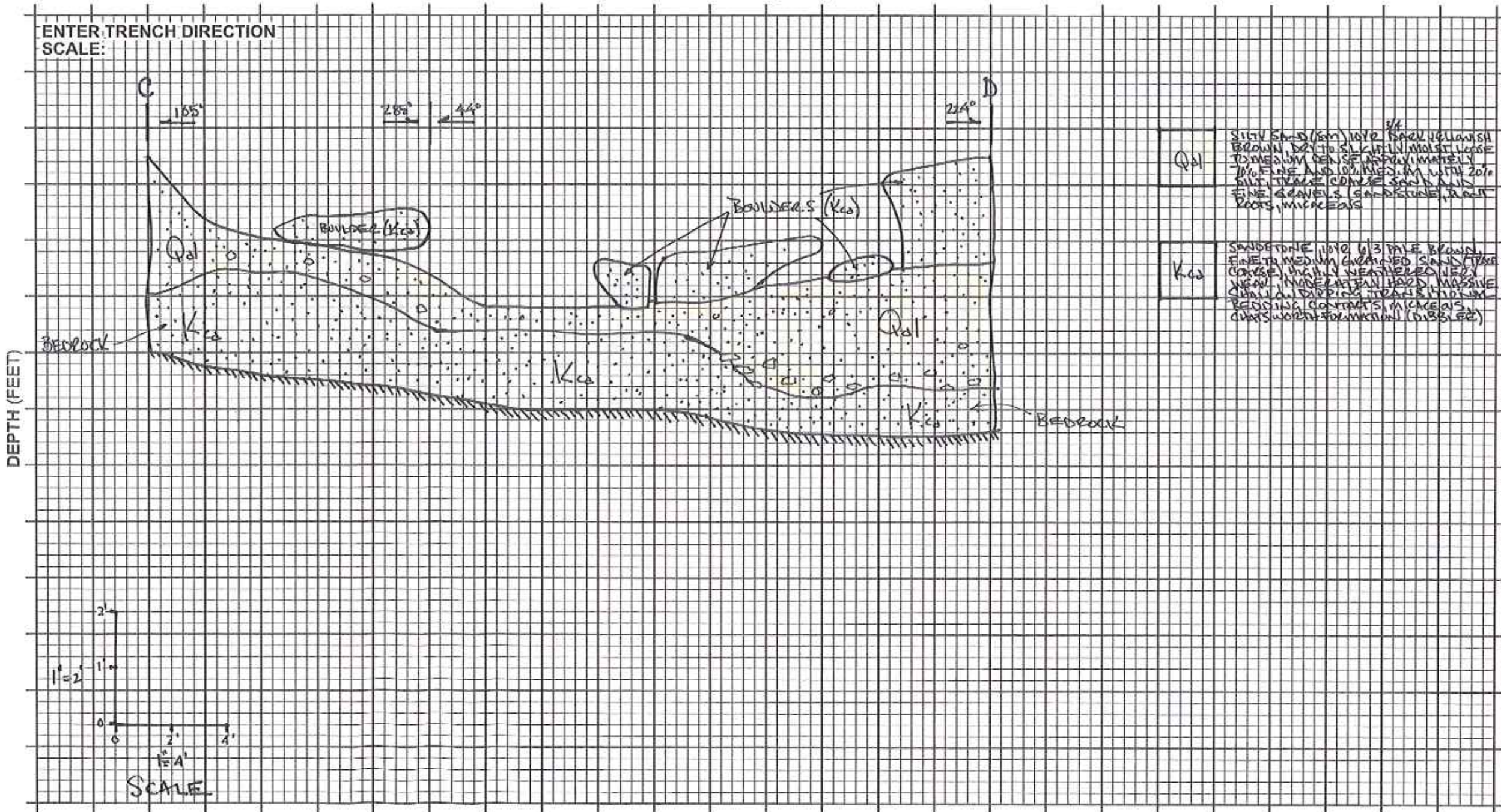
Project Name 2010 ISRA Implementation			FIELD TRENCH LOG			
Trench Number		Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE		Location BI-1D	Sheet <u>3</u> of <u>11</u>
Equipment Supplier MPE		Operator DAVID WILMER	Date and Time Started 28 JULY 2010		Date and Time Completed 5 AUGUST 2010	Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes Depth = <u>1.5 ft. bgs</u>
Equipment Type EXCAVATOR		Trench Orientation PREDOMINANTLY NE-SW	Total Depth UP TO 8 ft. bgs		Total Number of Samples 28	Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 68 ft.	No. of Samples	Bulk Ø	Grab 28	Drive Ø
Geologist or Hydrogeologist/Date STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010		Checked by/Date AS P. ENGS 3/31/11		Hand Auger Ø		% Man-Made Debris
						Wall of Trench Shown (Circle One) N S E W NE NW SE SW



Plan View-Site Location
(Provide Sketch)



LENGTH (FEET)



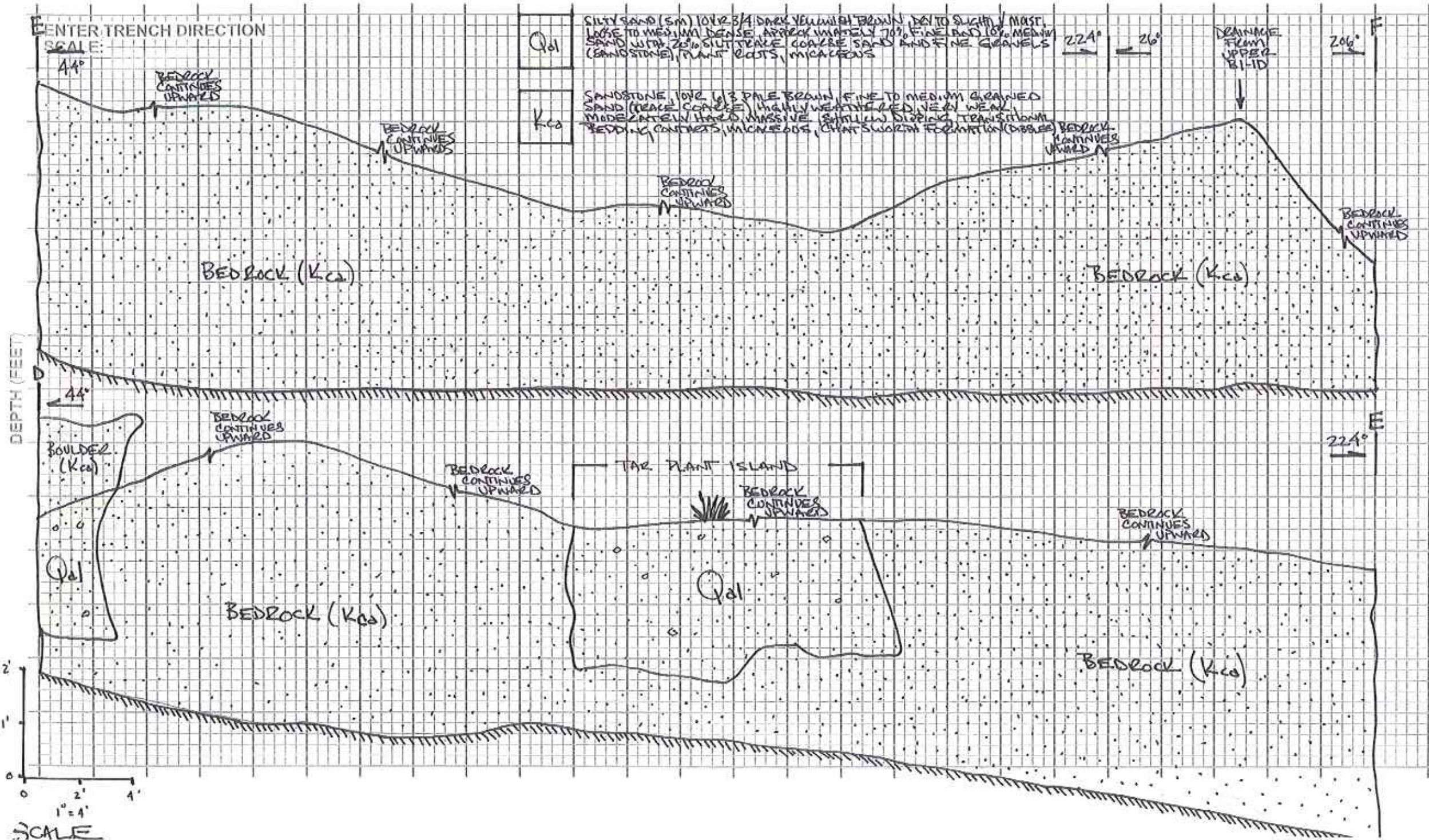
EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name			FIELD TRENCH LOG									
2010 ISRA Implementation	Trench Number	BITS0399	Project Number	1008208.1163110	Elevation and Ebbine	SURVEYED BY SAGE	Location	B1-1D	Sheet	4	of	11
Equipment Supplier	MPE	Operator	DAVID WILMER	Date and Time Started	28 JULY 2010	Date and Time Completed	5 AUGUST 2010	Refusal? (Circle One)	No	If Yes	Depth =	1 ft bgs
Equipment Type	EXCAVATOR	Trench Orientation	PREDOMINANTLY NE-SW	Total Depth	UP TO 8 ft. bgs	Total Number of Samples	28	Photo? (Circle One)	Yes	If No		
Bucket Width	4 ft.	Trench Length	~410 ft.	Trench Width	VARIABLE FROM 12 ft. - 68 ft.	No. of Samples	Bulk	Grab	28	Ditch	Hand Auger	% Man-Made Debris
Geologist or Hydrogeologist Data	STACIE L. AICHNER	Logged on	22, 25-27 OCTOBER 2010	Checked by/Date	SAGE PHOTOS 3/31/11							Wall of Trench Shown (Circle One)
												N S E W NE NW SE SW



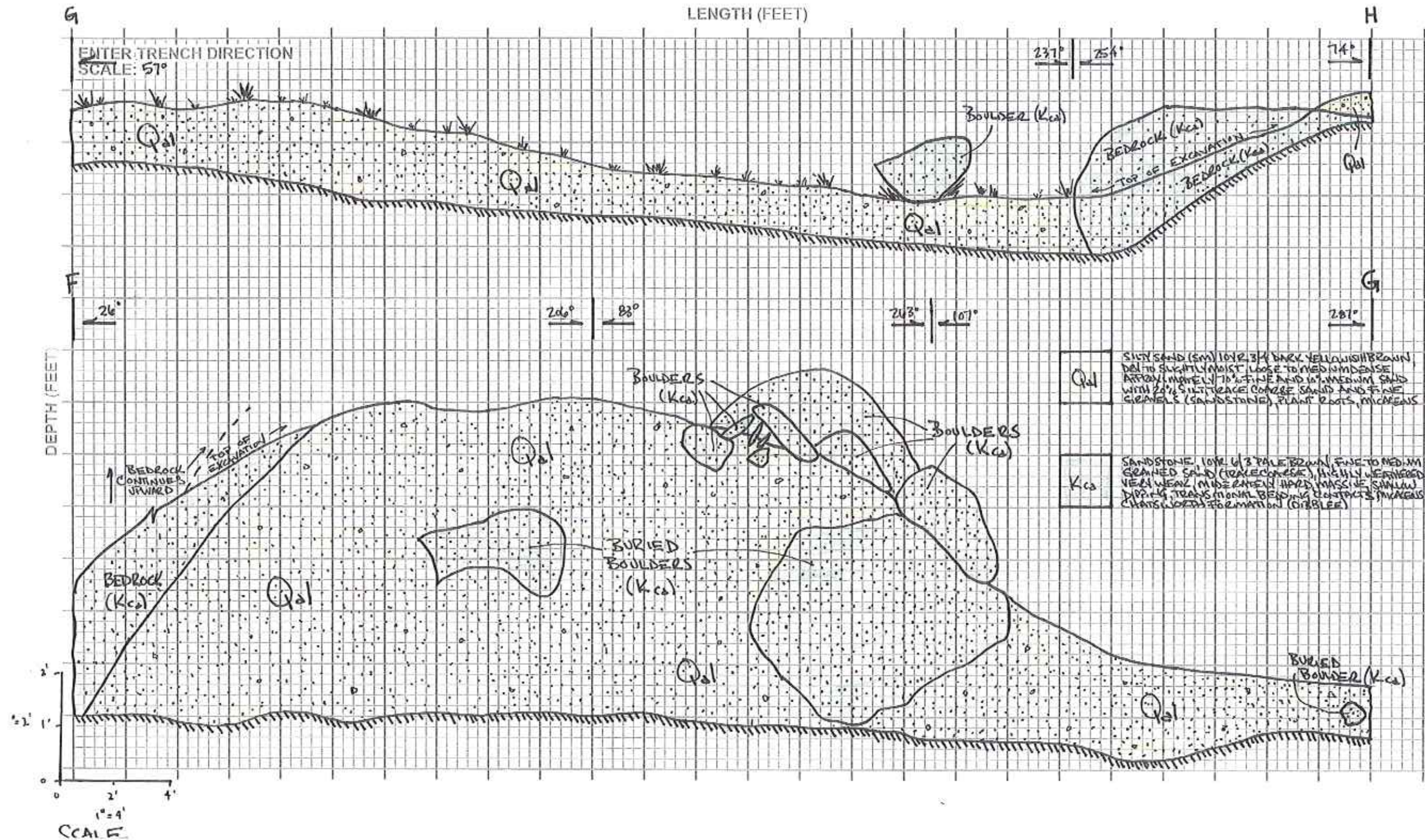
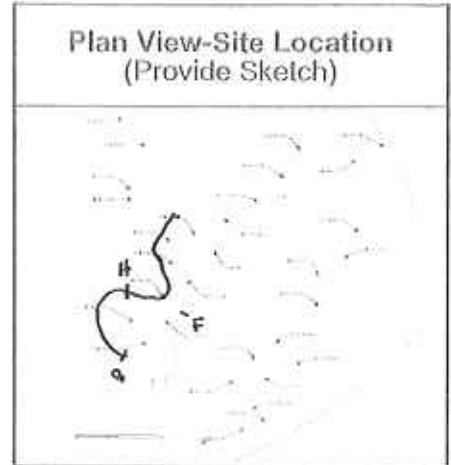
LENGTH (FEET)



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- - - OTHER CONTACT (AS INDICATED ON LOG)
- - - - - FILL/NATIVE BOUNDARY
- X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- ////// SHADING TO DENOTE STAINING
- ////// BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

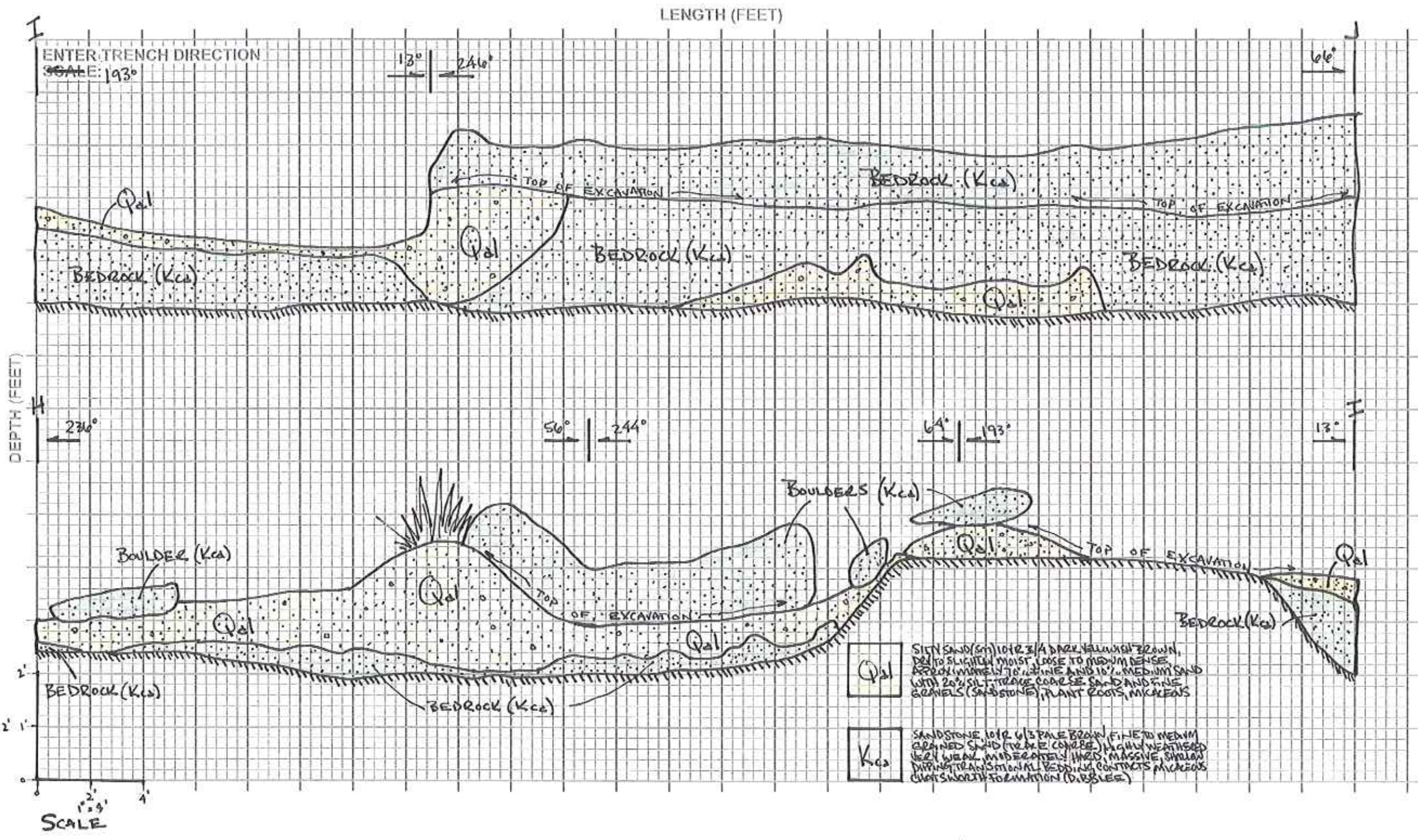
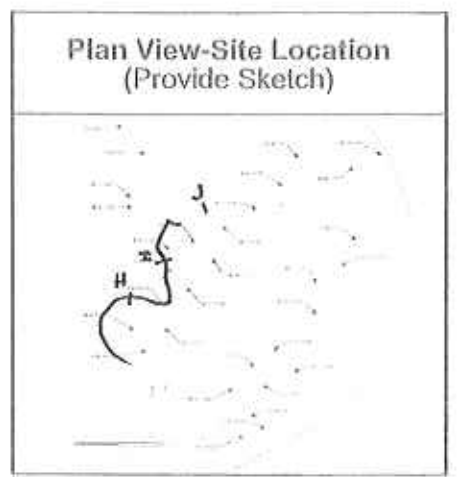
Project Name: 2010 ISRA Implementation			FIELD TRENCH LOG			
Trench Number BITS0399	Project Number 1008208.1163110	Location and Datum SURVEYED BY SAGE	Location BI-1D	Sheet 5 of 11		
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 28 JULY 2010	Date and Time Completed 5 AUGUST 2010	Revised? (Circle One) <input checked="" type="radio"/> No	If Yes Depth * 1 ft. bgs	
Equipment Type EXCAVATOR	Trench Orientation PREDOMINANTLY NE-SW	Total Depth UP TO 8 ft. bgs	Total Number of Samples 28	Photo? (Circle One) <input checked="" type="radio"/> No	No.	
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 68 ft.	No. of Samples	Bulk <input checked="" type="checkbox"/>	Grab 28	
Geologist or Hydrogeologist Date STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010		Checked by/Date <i>[Signature]</i> 3/31/11		Drive <input checked="" type="checkbox"/>	Hand Auger <input checked="" type="checkbox"/>	
			Wall of Trench Shown (Circle One) N S E W NE NW SE SW			



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- - - OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- //// SHADING TO DENOTE STAINING
- //// BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name			FIELD TRENCH LOG		
2010 ISRA Implementation		Trench Number		Location	
BITS0399		Project Number		BI-1D	
1008208.1163110		Elevation and Datum		Sheet 6 of 11	
SURVEYED		Date and Time Started		Date and Time Completed	
28 JULY 2010		5 AUGUST 2010		Refusal? (Circle One)	
Equipment Supplier		Operator		If Yes	
MPE		DAVID WILMEZ		Depth = 1 ft. bgs	
Equipment Type		Trench Orientation		Photo? (Circle One)	
EXCAVATOR		PREDOMINANTLY NE-SW		No	
Bucket Width		Trench Width		Mon-Made Debris	
4 ft.		VARIABLE FROM 12 ft. - 68 ft.		No	
Trench Length		Total Depth		Drive	
~410 ft.		UP TO 8 ft. bgs		Hand Auger	
No. of Samples		Bulk		Grab	
28		∅		28	
Checked by		Date		Wall of Trench Shown (Circle One)	
STACIE L. AKHNER LOGGED ON 22, 25-27 OCTOBER 2010		[Signature]		N S E W NE NW SE SW	



EXPLANATION

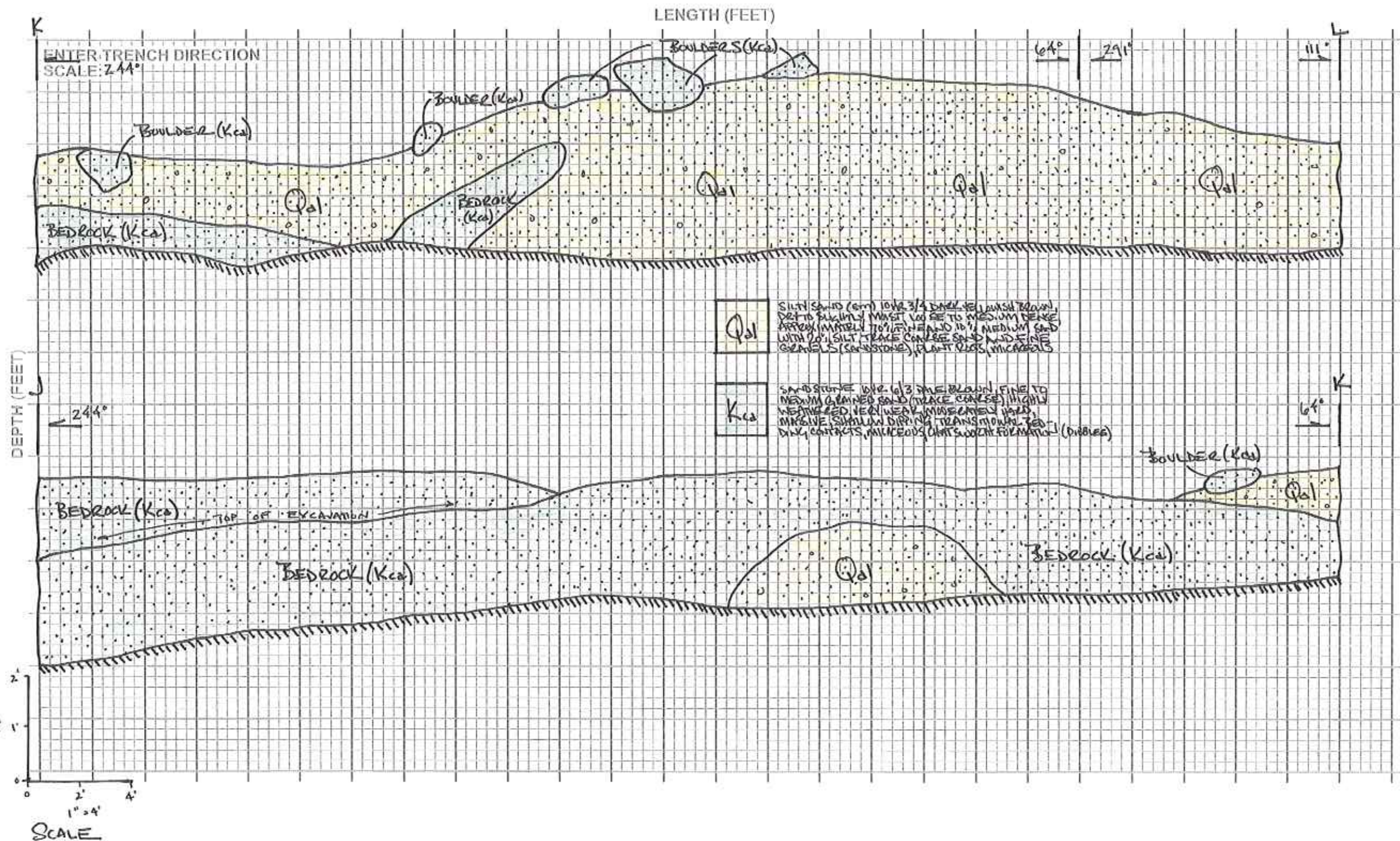
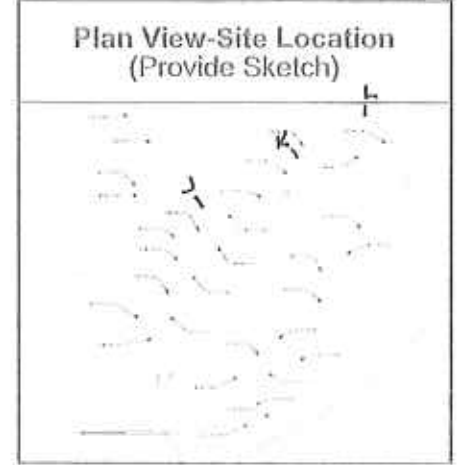
- SOIL TYPE CONTACT (SHARP)
- - - - OTHER CONTACT (AS INDICATED ON LOG)
- - - - FILL/NATIVE BOUNDARY
- X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- //// SHADING TO DENOTE STAINING
- //// BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Qal SILTY SAND (SM) 10R 3/4 DARK YELLOWISH BROWN, DRY TO SLIGHTLY MOIST, LOOSE TO MEDIUM DENSE, APPROXIMATELY 70% FINE AND 10% MEDIUM SAND WITH 20% SILT, TRACE COARSE SAND AND FINE GRAVELS (SANDSTONE), PLANT ROOTS, MICACEOUS

Kca SANDSTONE 10R 6/3 PALE BROWN, FINE TO MEDIUM GRAINED SAND (TRACE CONCRETE), HIGHLY WEATHERED VERY WEAK, MODERATELY HARD, MASSIVE, SHELLOW DIPPER, TRANSITIONAL BEDDING, CONTACTS MICACEOUS CLAY SURFACE FORMATION (DUBBLE)



Project Name			FIELD TRENCH LOG		
Trench Number BITS0399		Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-ID	Sheet 7 of 11
Equipment Supplier MPE		Operator DAVID WILMER	Date and Time Started 28 JULY 2010	Date and Time Completed 5 AUGUST 2010	Retest? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth = 1 ft. bgs
Equipment Type EXCAVATOR		Trench Orientation PREDOMINANTLY NE-SW	Total Depth UP TO 8 ft. bgs	Total Number of Samples 28	Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 68 ft.	No. of Samples	Drive	% Man-Made Debris
Geologist or Hydrogeologist Date STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010		Checked by/Date [Signature] 8/21/10 3/31/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW	

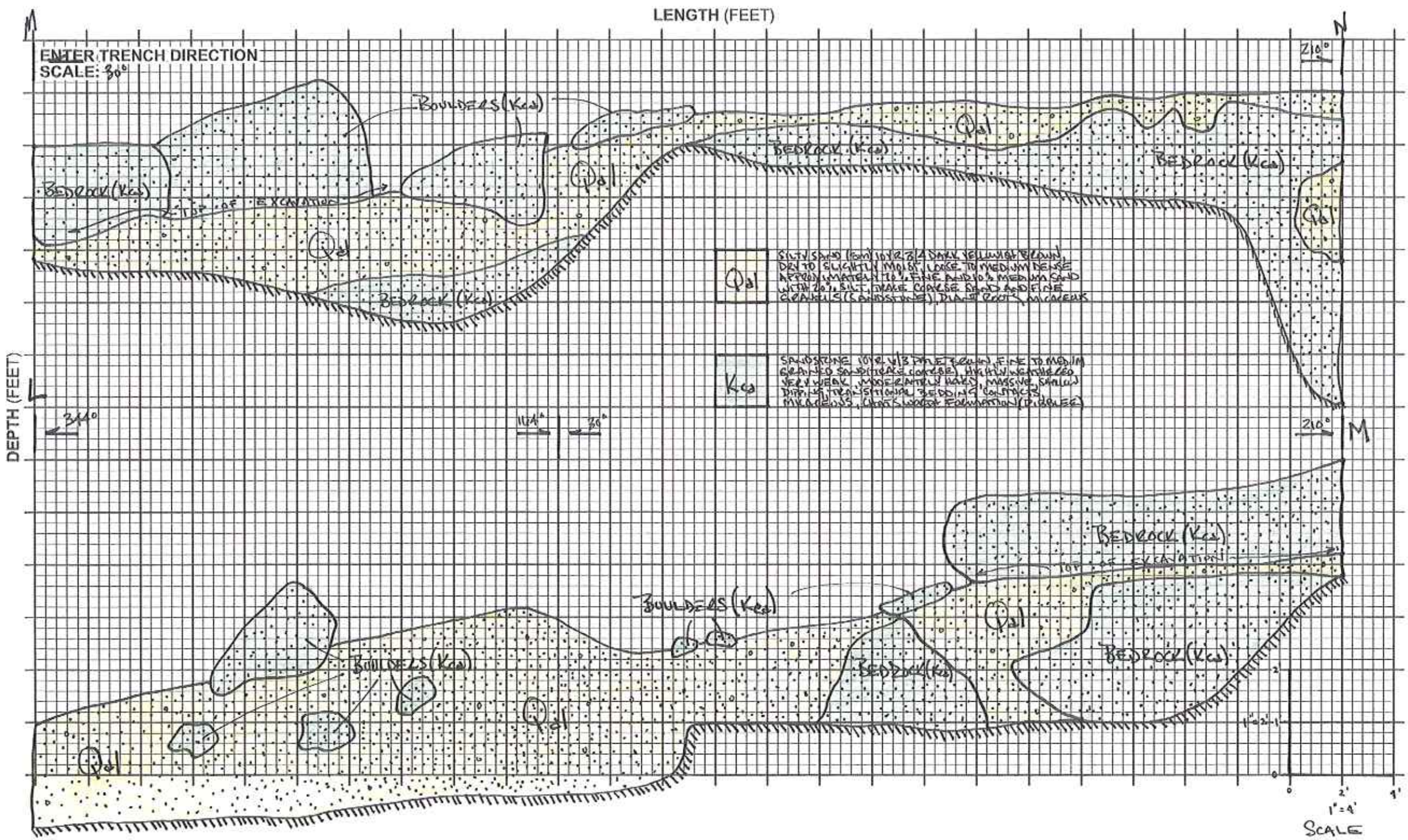
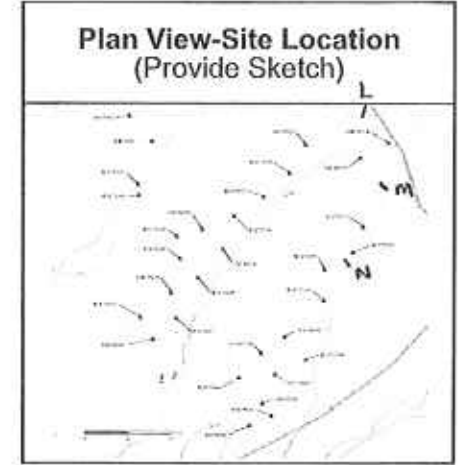


Qal SILTY SAND (cm) 10% 3/4 DARK YEL BROWN, DRY TO BULKY, MASTY, V. BE TO MEDIUM BEIGE. APPROXIMATELY 70% FINE SAND AND 30% MEDIUM SAND WITH 10% SILT, TRACE CLAY, SAND AND FINE GRAVELS (SANDSTONE), PLANT ROOTS, MICROCALS.

Kca SANDSTONE 10% 1/3 FINE BROWN, FINE TO MEDIUM GRAINED SAND (TRACE CLAY), HIGHLY WEATHERED, NEARLY WEAR, MISCELLANEOUS HARD MINORIVE (SHALLOW DIPPING, TRANSMONIAL BEDDING CONTACTS, MICROCALS, CHERT, SUGAR FORMATION) (PIBBES)

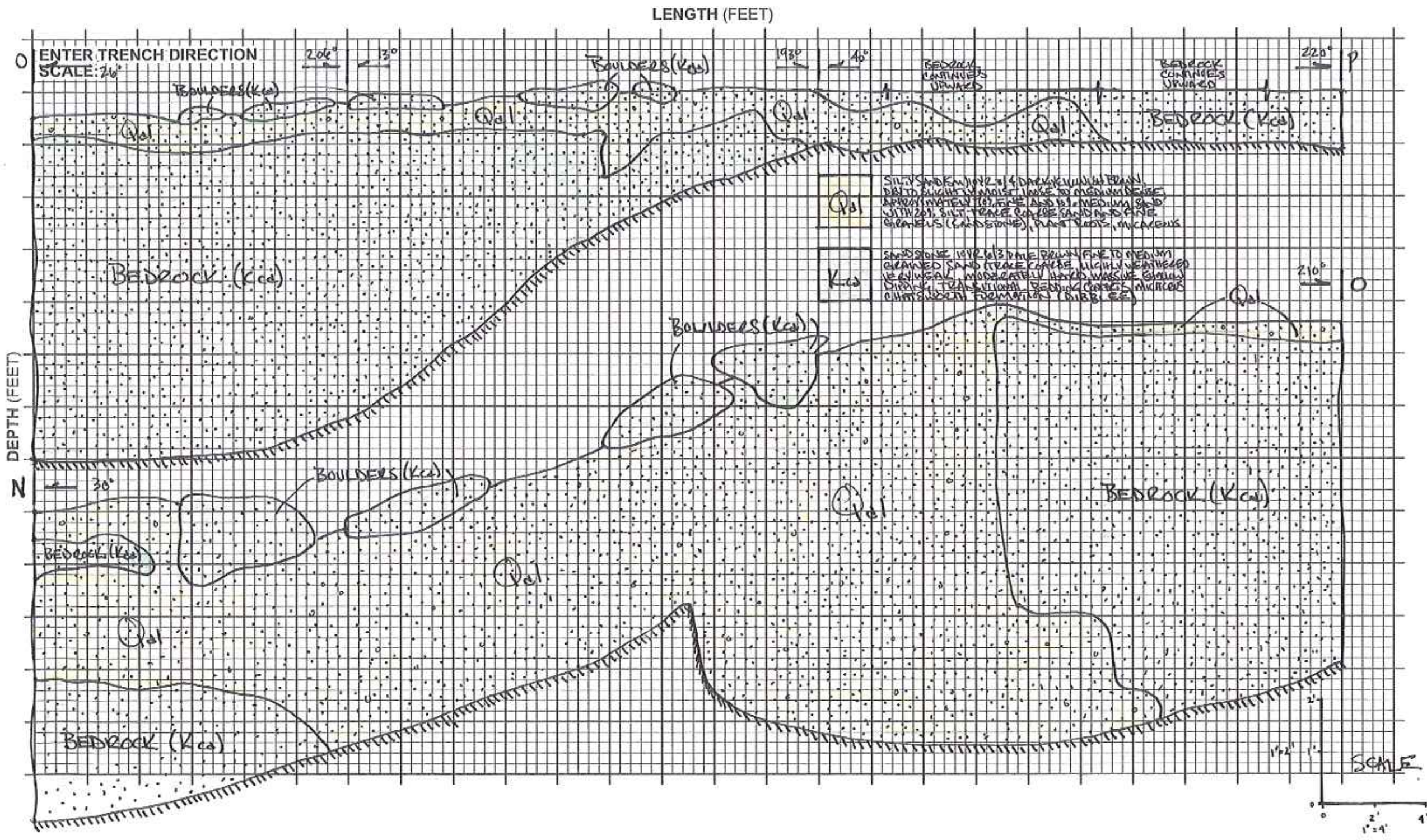
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name 2010 ISRA Implementation			FIELD TRENCH LOG							
Trench Number BITSO399		Project Number 1008208.1163110		Elevation and Datum SURVEYED BY SAGE		Location B1-1D		Sheet 8 of 11		
Equipment Supplier MPE		Operator DAVID WILMER		Date and Time Started 28 JULY 2010		Date and Time Completed 5 AUGUST 2010		Refusal? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth = 1 ft. vgs		
Equipment Type EXCAVATOR		Trench Orientation PREDOMINANTLY NE-SW		Total Depth UP TO 8 FT. vgs		Total Number of Samples 28		Photo? (Circle One) <input checked="" type="radio"/> Yes <input type="radio"/> No		
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 68 ft.		No. of Samples	Bulk \emptyset	Grab 28	Drive \emptyset	Hand Auger \emptyset	% Man-Made Debris	
Geologist or Hydrogeologist/Date STALIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010				Checked by/Date [Signature] 8/31/11				Wall of Trench Shown (Circle One) N S E W NE NW SE SW		

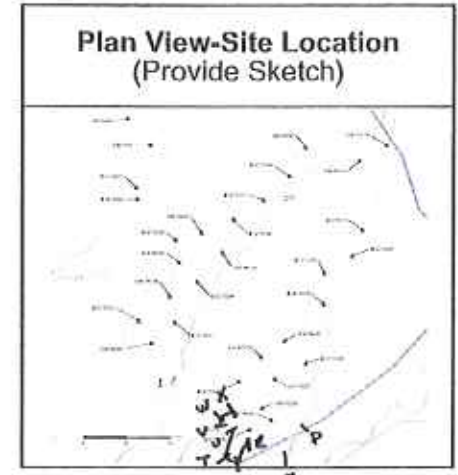


- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X** ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G** GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

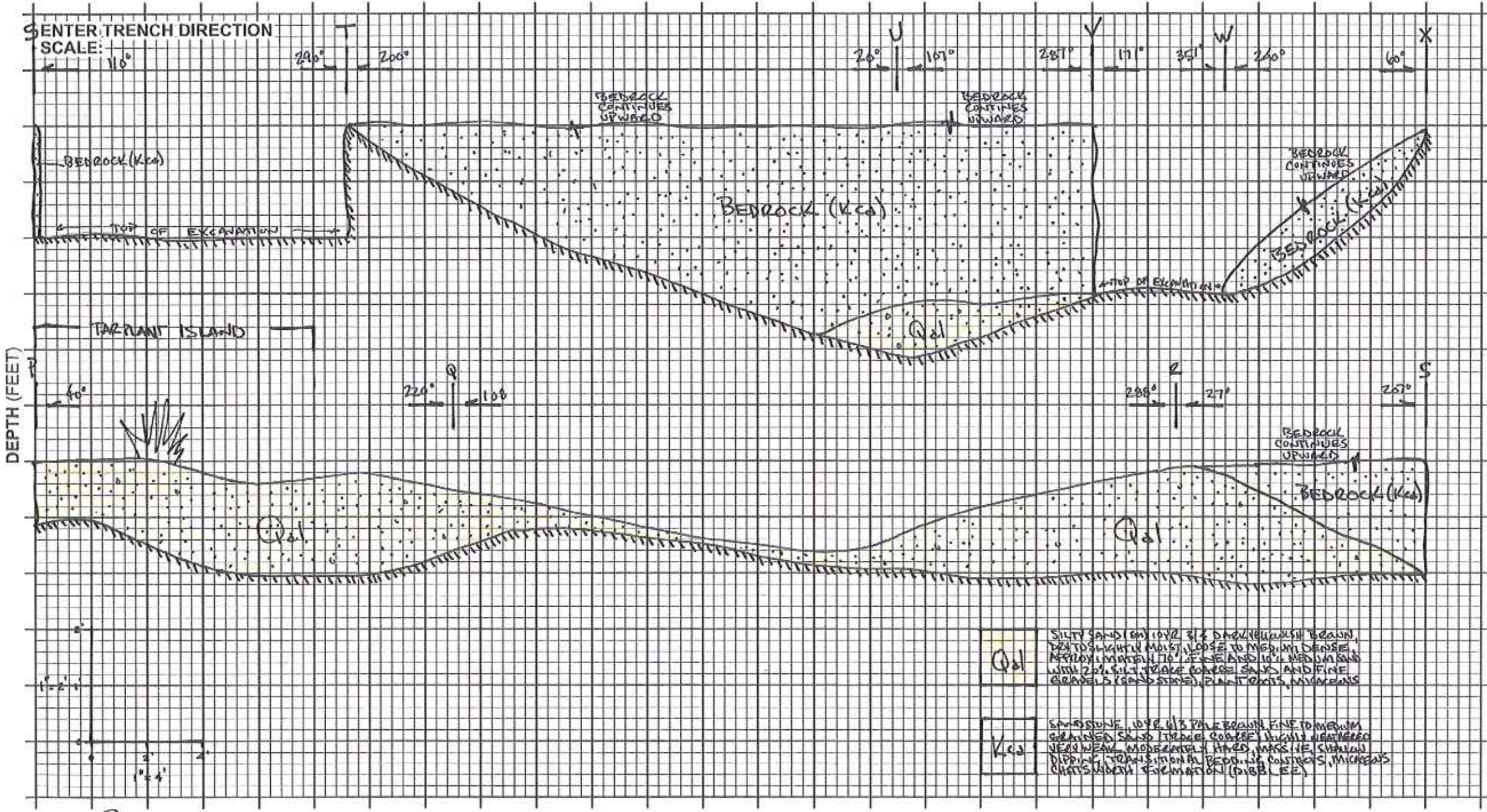
Project Name			FIELD TRENCH LOG								
2010 ISRA Implementation		Project Number: 1008208.1163110		Elevation and Datum: SURVEYED BY SAGE		Location: B1-1D		Sheet 9 of 11			
Trench Number: BITS0399		Operator: DAVID WILMER		Date and Time Started: 28 JULY 2010		Date and Time Completed: 5 AUGUST 2010		Refusal? (Circle One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes Depth = 1 ft. bgs			
Equipment Supplier: MP2		Trench Orientation: PREDOMINANTLY NE-SW		Total Depth: UP TO 8 ft. bgs		Total Number of Samples: 28		Photo? (Circle One) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No			
Equipment Type: EXCAVATOR		Trench Width: VARIABLE FROM 12 ft. - 68 ft.		No. of Samples: 28		Drive: \emptyset		Hand Auger: \emptyset			
Bucket Width: 4 ft.		Trench Length: ~410 ft.		No. of Samples: \emptyset		Drive: \emptyset		Hand Auger: \emptyset			
Geologist or Hydrogeologist Date: STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010				Checked by/Date: [Signature] 3/31/11				Wall of Trench Shown (Circle One) N S E W NE NW SE SW			



Project Name 2010 ISRA Implementation			FIELD TRENCH LOG				
Trench Number BITS0399	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-1D		Sheet 10 of 11		
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 28 JULY 2010	Date and Time Completed 5 AUGUST 2010		Refusal? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes Depth = 1 ft. bgs	
Equipment Type EXCAVATOR	Trench Orientation PREDOMINANTLY NE-SW	Total Depth UP TO 8 ft. bgs	Total Number of Samples 28		Photo? (Circle One) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No.	
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 60 ft.	No. of Samples	Bulk <input checked="" type="checkbox"/>	Grab 28	Drive <input checked="" type="checkbox"/>	Hand Auger <input checked="" type="checkbox"/>
Geologist or Hydrogeologist/Date STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010		Checked by/Date [Signature] 8/24/10 3/31/11			Wall of Trench Shown (Circle One) N S E W NE NW SE SW		



LENGTH (FEET)



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X** ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G** GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - SHADING TO DENOTE STAINING
 - BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Qal SILTY SAND (M) 10YR 8/4 DARK BROWNISH BEAUN, 80% TO SLIGHTLY MOIST, LOOSE TO MEDIUM DENSE, APPROXIMATELY 10% FINE SAND TO FINE SAND WITH 20% SILT, TRACE COARSE SAND AND FINE GRAVELS (GRANITE), PLANT ROOTS, MICA DEBRIS

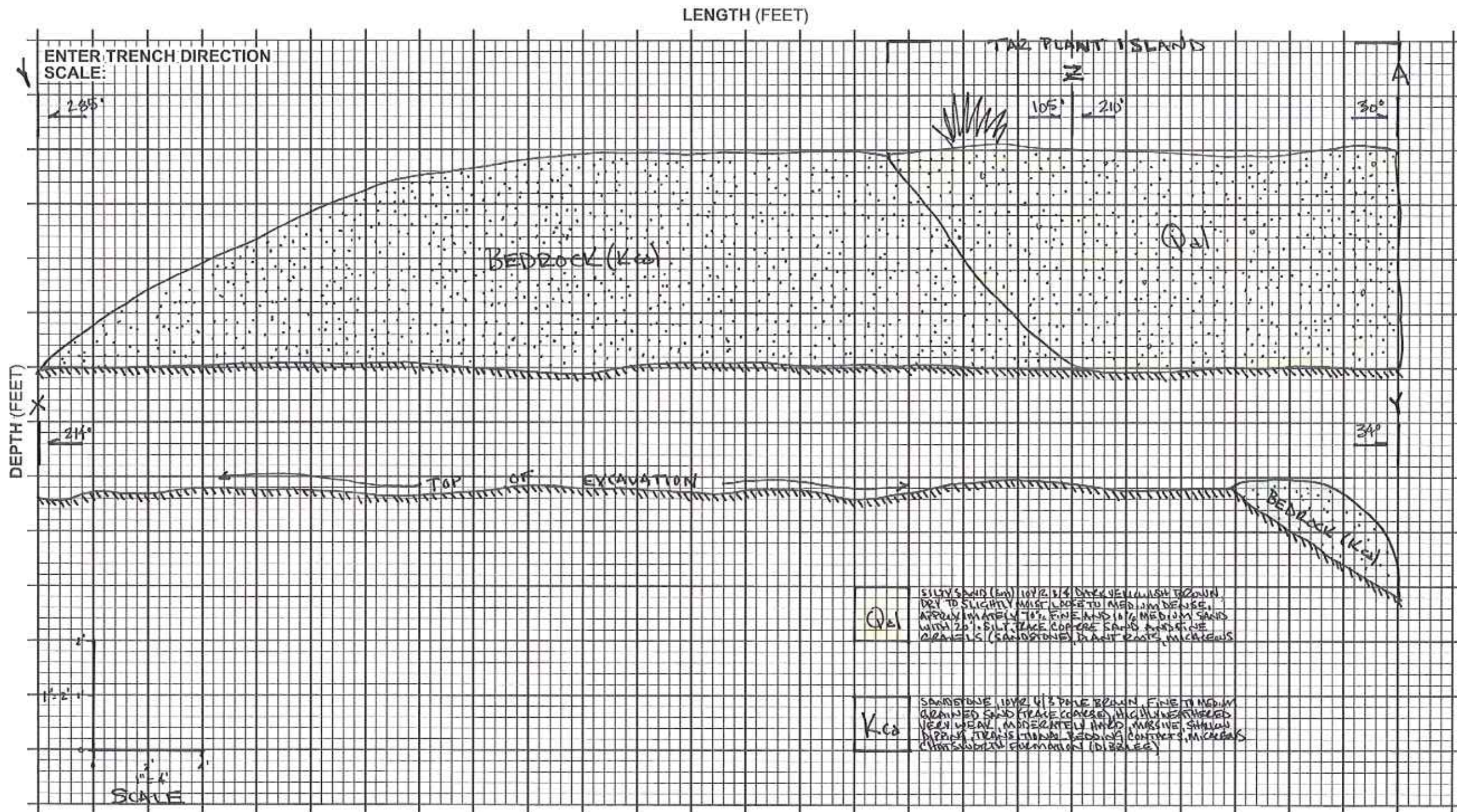
Kca SANDSTONE, 10YR 6/3 PALE BROWN FINE TO MEDIUM GRAINED SAND, TRACE COARSE, HIGH WEAR, NEARLY NEARLY MODERATELY HARD, MASSIVE, SHALLOW DIPPING TRANSITIONAL BEDDING, CONGLOMERATE, MICACEOUS CHERT, MOTTLED FOLIATION (P. B. L. E.)

SCALE

Project Name 2010 ISRA Implementation			FIELD TRENCH LOG		
Trench Number BITSO399	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location BI-1D	Sheet 11 of 11	
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 28 JULY 2010	Date and Time Completed 5 AUGUST 2010	Refusal? (Circle One) <input checked="" type="checkbox"/> No	If Yes Depth = 1 ft. bgs
Equipment Type EXCAVATOR	Trench Orientation PREDOMINANTLY NE-SW	Total Depth UP TO 8 ft. bgs	Total Number of Samples 28	Photo? (Circle One) <input checked="" type="checkbox"/> No	No.
Bucket Width 4 ft.	Trench Length ~410 ft.	Trench Width VARIABLE FROM 12 ft. - 68 ft.	No. of Samples	Bulk <input checked="" type="checkbox"/>	Grab 28
Geologist or Hydrogeologist Date STACIE L. AICHNER LOGGED ON 22, 25-27 OCTOBER 2010			Checked by/Date AB - 9/24/10 3/31/11	Wall of Trench Shown (Circle One) <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W <input type="checkbox"/> NE <input type="checkbox"/> NW <input type="checkbox"/> SE <input type="checkbox"/> SW	



Plan View-Site Location
(Provide Sketch)



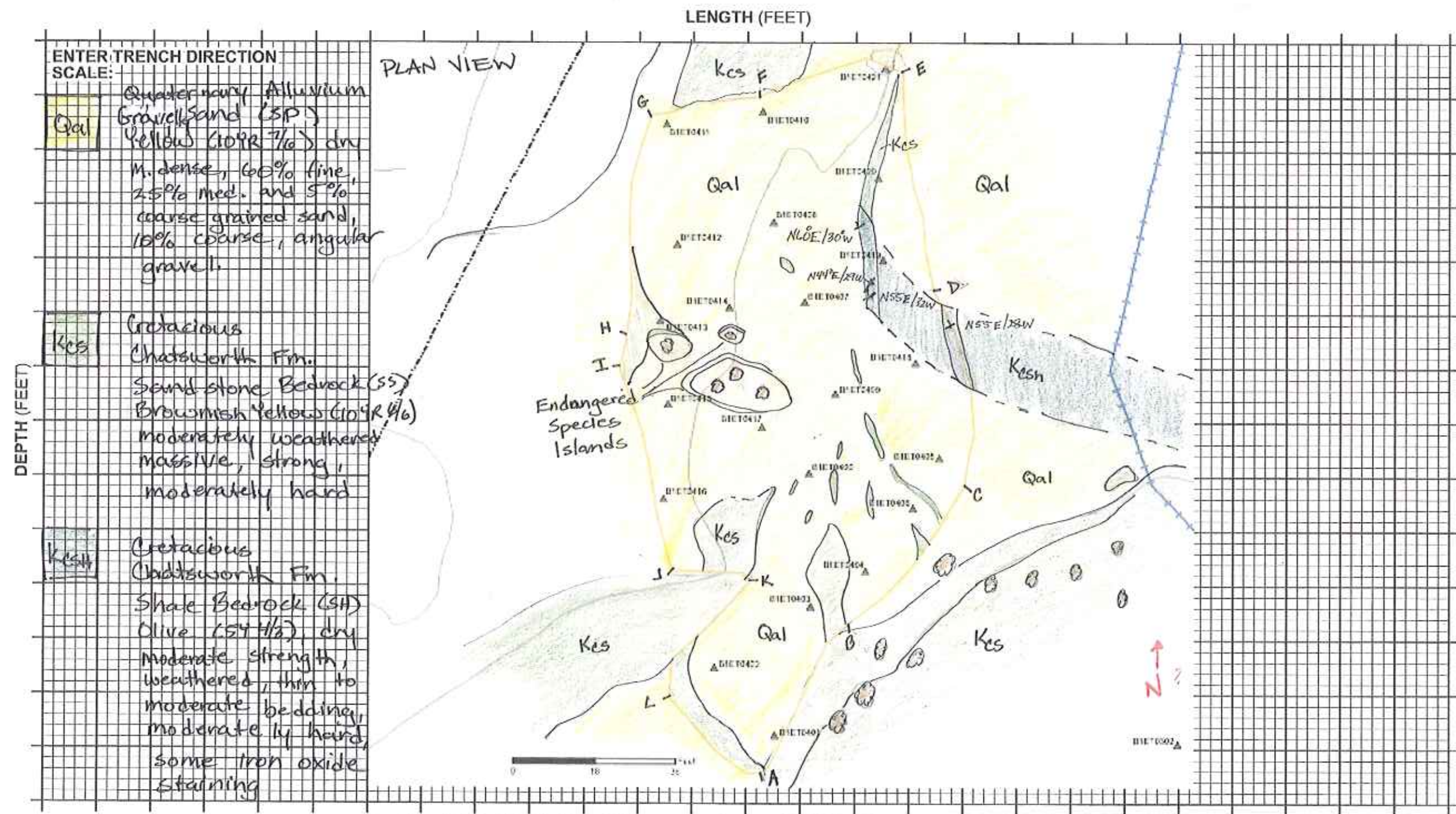
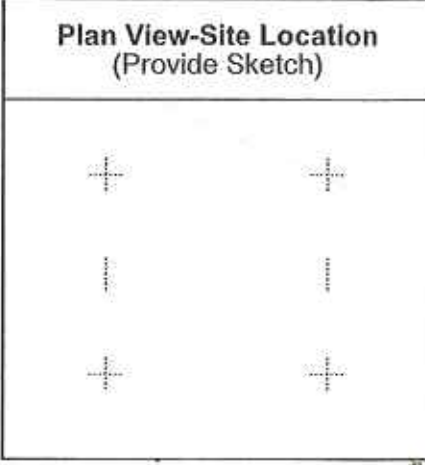
EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Q1 SILTY SAND (sm) 10% 3/4 DARK VELLUSH BROWN, DRY TO SLIGHTLY MOIST LOOSE TO MED. DENSE, APPROXIMATELY 75% FINE AND 1/4 MEDIUM SANDS WITH 20% SILT, TRACE COARSE SAND AND BRUISE GRANULES (SANDSTONE) IN ROOTS, MICACEOUS

Kca SANDSTONE 10% 4 1/2 PALE BROWN FINE TO MEDIUM GRAINED SAND (TRACE COARSE) HIGHLY WEATHERED, VERY WEAK, MODERATELY HARD, MASSIVE, SHALLOW MPPY, TRANSITORY BEDDING CONTACTS, MICACEOUS CHASSURETIN FORMATION (DIBBLE)

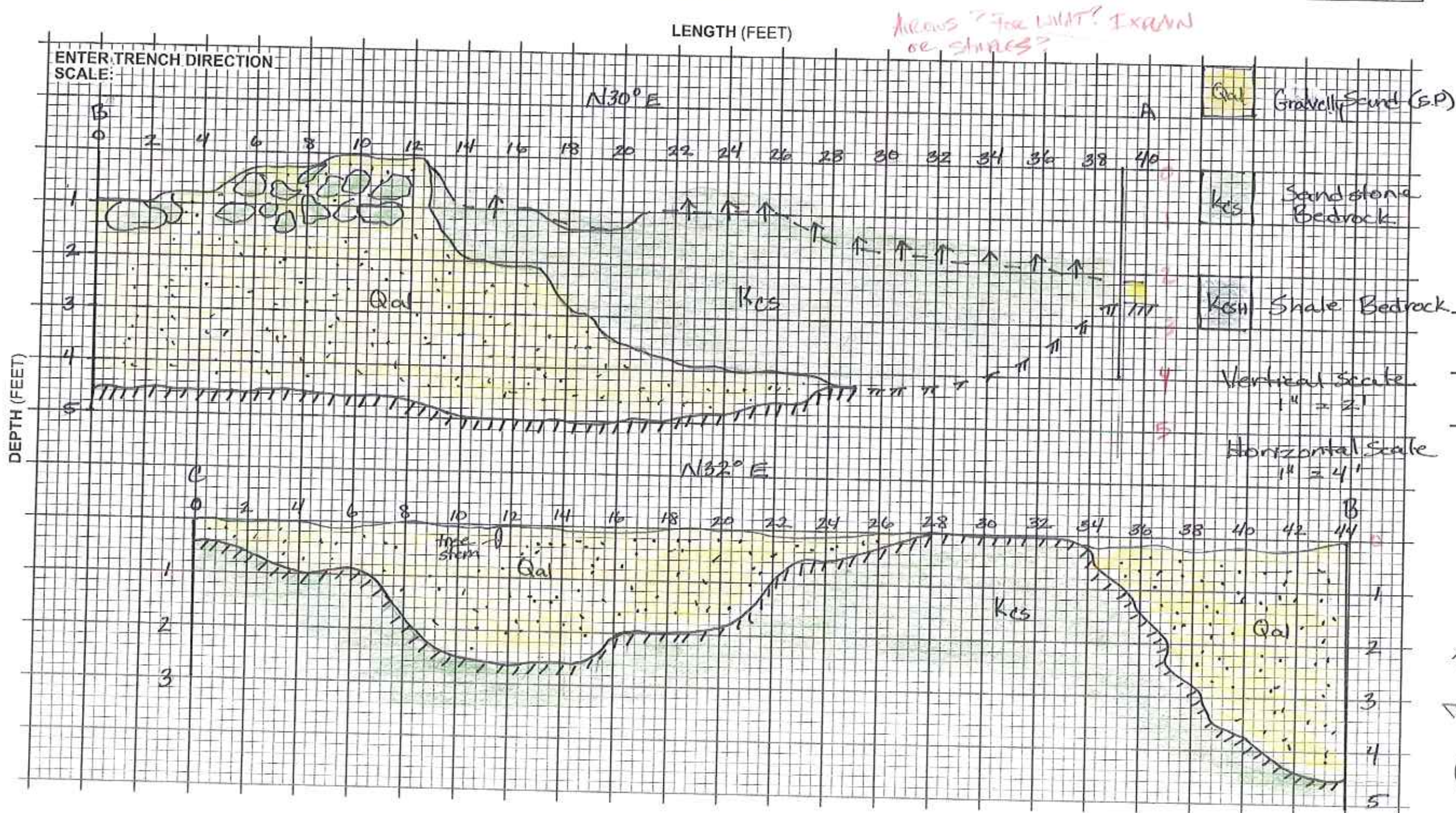
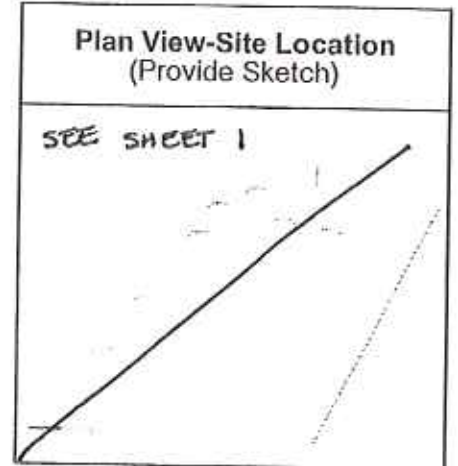
Project Name 2010 ISRA Implementation			FIELD TRENCH LOG			
Trench Number BITS0499	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location B1-1B	Sheet 1 of 9		
Equipment Supplier mpe	Operator DAVID WILMER	Date and Time Started 10/27/10	Date and Time Completed 10/28/10	Refusal? (Circle One) Yes No	If Yes Depth = VARIED	
Equipment Type EXCAVATOR	Trench Orientation N-S	Total Depth VARIED	Total Number of Samples 22	Photo? (Circle One) Yes No	No	
Bucket Width 4 ft.	Trench Length ~152 ft.	Trench Width VARIABLE FROM 20-77 ft.	No. of Samples Bulk \emptyset Grab 22	Drive \emptyset	Hand Auger \emptyset	
Geologist or Hydrogeologist/Date N. Beatty 10/27/10 to 10/28/10			Checked by/Date Ph 8165 3/30/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW	



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - - OTHER CONTACT (AS INDICATED ON LOG)
 - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

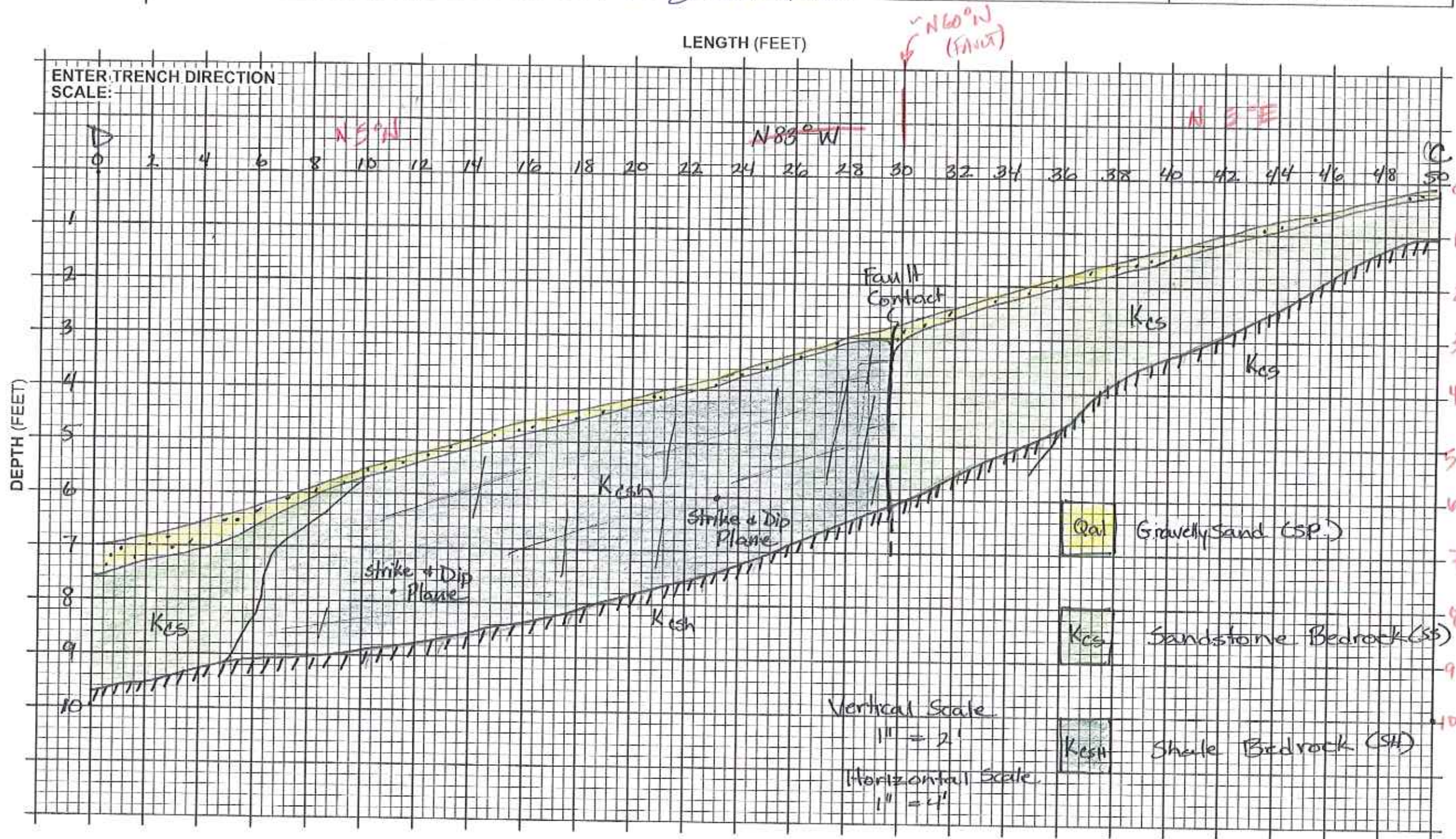
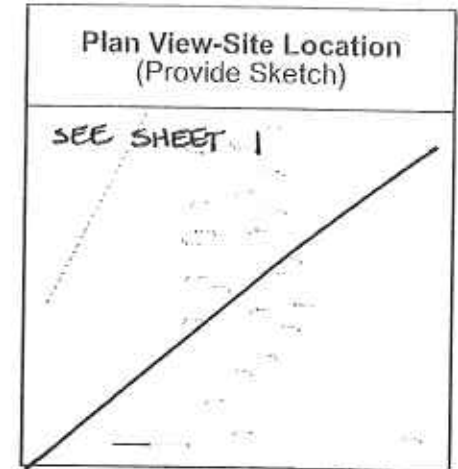
* THE ISRA AREA BOUNDARY SHOWN IN ORANGE IS THE TENTATIVE GPS DEFINED AREA AND WAS LATER SURVEYED BY SAGE CONSULTANTS.

Project Name 2010 ISRA Implementation		Project Number 1008208.1163110		Elevation and Datum SURVEYED BY SAGE		Location B1-1B		Sheet 2 of 9	
Trench Number BITS0499		Operator DAVID WILMER		Date and Time Started 10/27/10		Date and Time Completed 10/28/10		Refusal? (Circle One) <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes Depth =	
Equipment Supplier mPe		Trench Orientation N-S		Total Depth VARIED		Total Number of Samples 22		Photo? (Circle One) <input checked="" type="checkbox"/> No <input type="checkbox"/> No	
Equipment Type EXCAVATOR		Trench Width VARIABLE FROM 20-77 FT.		No. of Samples 22		Drive ∅		Hand Auger ∅	
Bucket Width 4 FT.		Trench Length ~152 FT.		Bulk ∅		Grab 22		% Man-Made Debris	
Geologist or Hydrogeologist/Date Neal Beatty 10/27/10 to 10/28/10		Checked by/Date D.P. RYAN 3/30/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW					



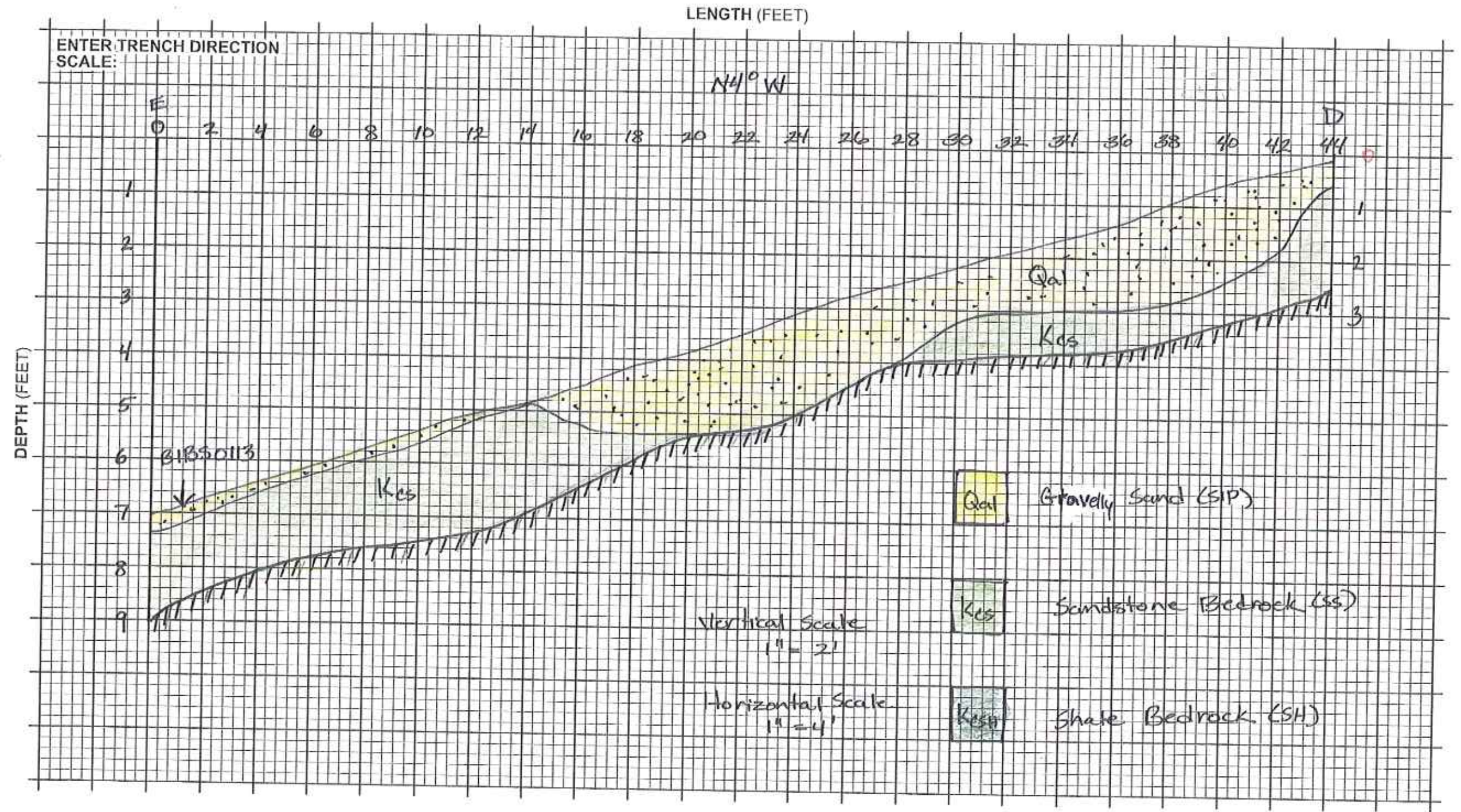
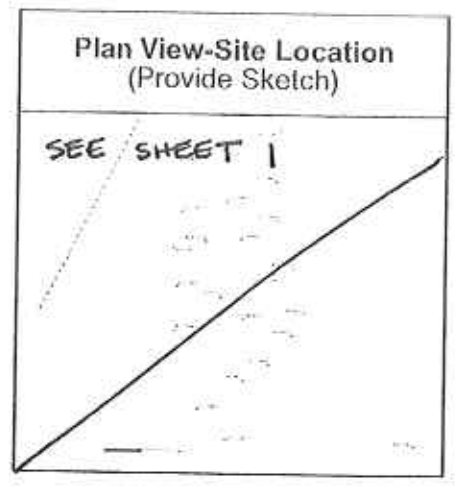
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - //// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name 2010 ISRA Implementation		Elevation and Datum SURVEYED BY SAGE			Location B1-1B		Sheet 3 of 9	
Trench Number BITS0499		Project Number 1008208.1163110		Date and Time Started 10/27/10		Date and Time Completed 10/28/10		Refusal? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes If Yes Depth = VARIED
Equipment Supplier MPE		Operator DAVID WILMER		Total Depth VARIED		Total Number of Samples 22		Photo? (Circle One) <input checked="" type="radio"/> No <input type="radio"/> Yes
Equipment Type EXCAVATOR		Trench Orientation N-S		No. of Samples	Bulk <input type="checkbox"/>	Grab <input checked="" type="checkbox"/>	Dredge <input type="checkbox"/>	Hand Auger <input type="checkbox"/>
Bucket Width 4 ft.	Trench Length ~152 ft.	Trench Width VARIABLE FROM 20 - 77 ft.		Checked by AGB	Date 10/30/11	% Man-Made Debris		
Geologist or Hydrogeologist Date N. Beaty 10/27/10 to 10/28/10				Wall of Trench Shown (Circle One) N S E W NE NW SE SW				



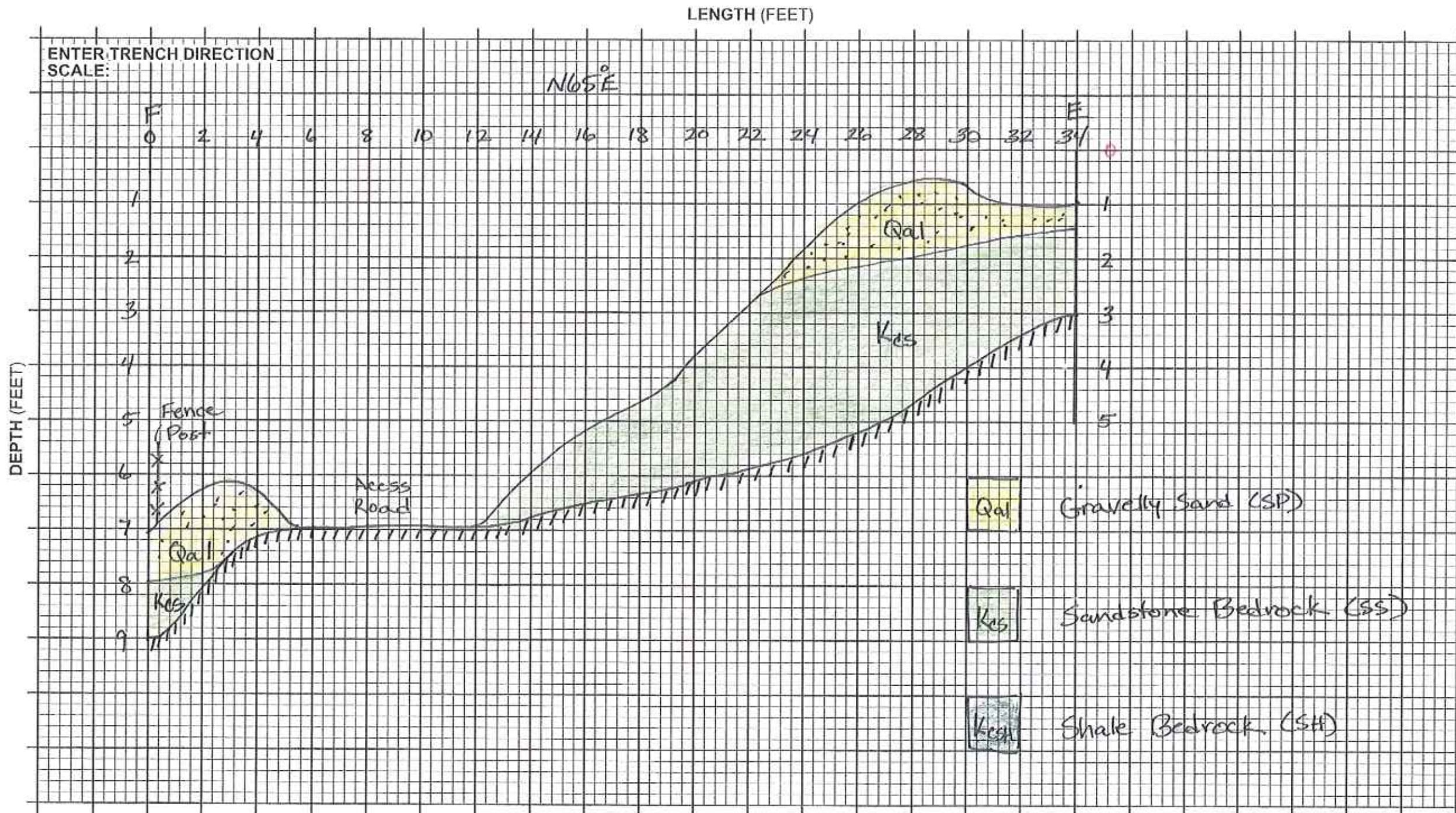
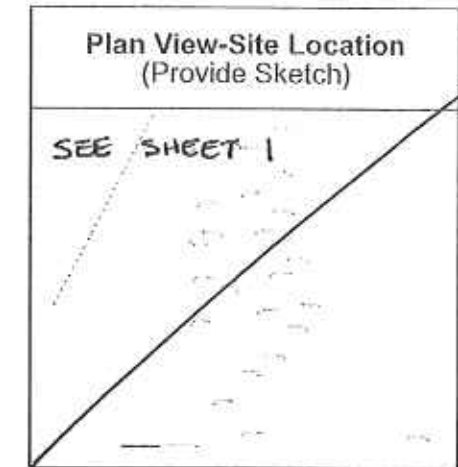
- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - ////// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name 2010 ISRA Implementation		FIELD TRENCH LOG		
Trench Number BITS0499	Project Number 1008208.1163110	Elevation and Datum SURVEYED BY SAGE	Location BI-1B	Sheet 4 of 9
Equipment Supplier MPE	Operator DAVID WILMER	Date and Time Started 10/27/10	Date and Time Completed 10/28/10	Refusal? (Circle One) No If Yes: Depth = VARIED
Equipment Type EXCAVATOR	Trench Orientation N-S	Total Depth VARIED	Total Number of Samples 22	Photo? (Circle One) No Yes
Bucket Width 4 ft.	Trench Length ~152 ft.	Trench Width VARIABLE FROM 20-77 ft.	No. of Samples 22	% Man-Made Debris
Geologist or Hydrogeologist Date N. Beatty 10/27/10 to 10/28/10		Checked by/Date R. G. 10/25 3/30/11		Wall of Trench Shown (Circle One) N S E W NE NW SE SW



- EXPLANATION**
- SOIL TYPE CONTACT (SHARP)
 - - - OTHER CONTACT (AS INDICATED ON LOG)
 - - - - - FILL/NATIVE BOUNDARY
 - X ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - G GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
 - //// SHADING TO DENOTE STAINING
 - ////// BASE OF EXCAVATION
 - SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

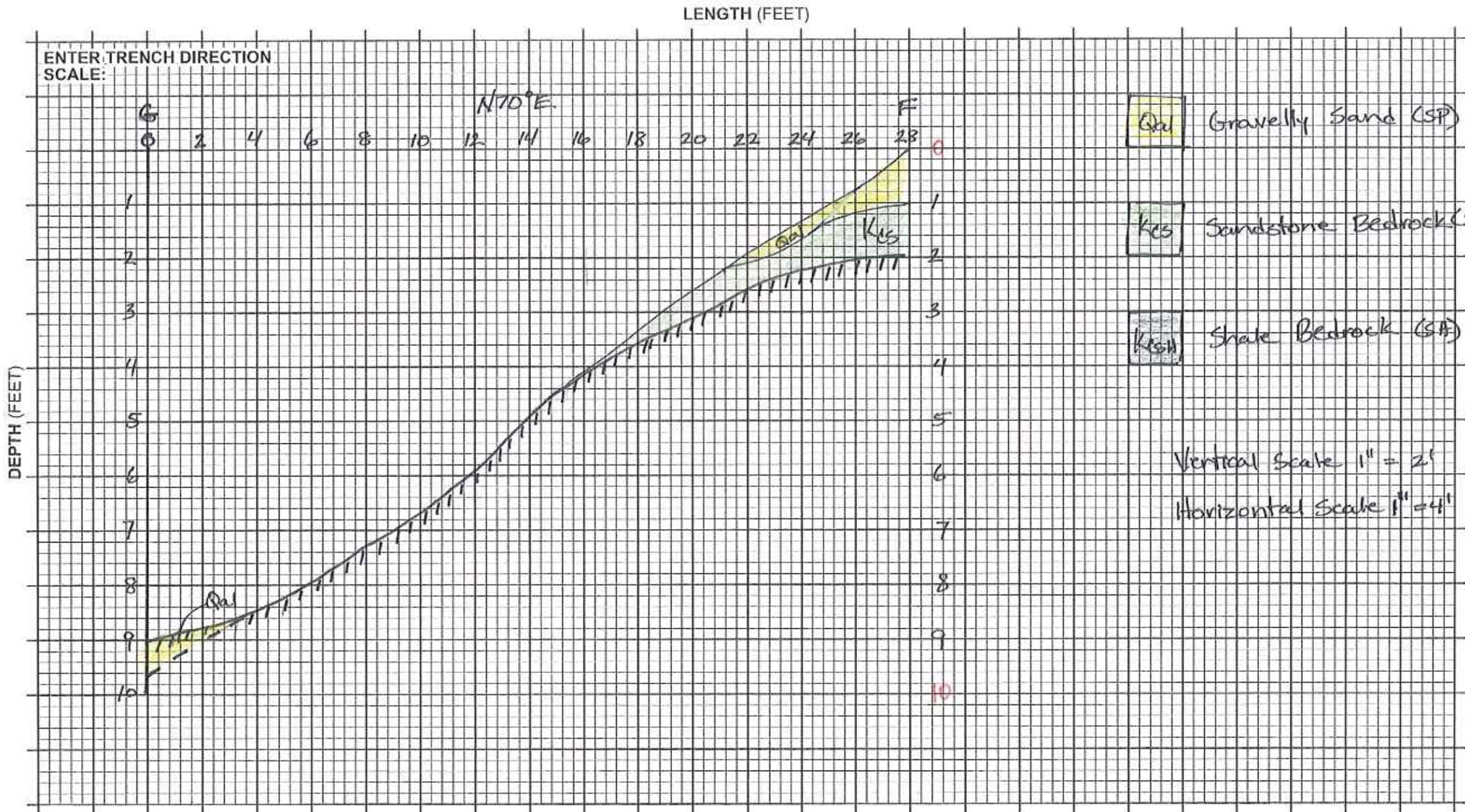
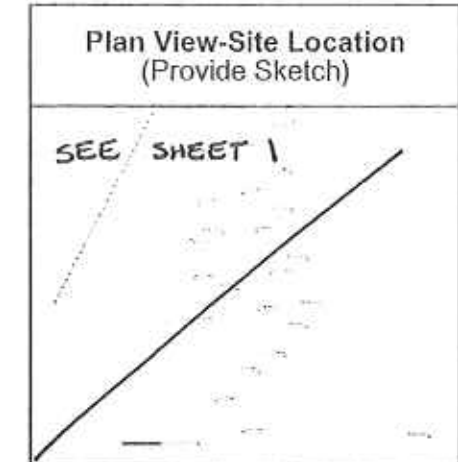
Project Name: 2010 ISRA Implementation				FIELD TRENCH LOG			
Trench Number: BITS0499		Project Number: 1008208.1163110		Elevation and Datum: SURVEYED BY SAGE		Location: B1-1B	
Equipment Supplier: MPE		Operator: DAVID WILMER		Date and Time Started: 10/27/10		Date and Time Completed: 10/28/10	
Equipment Type: EXCAVATOR		Trench Orientation: N-S		Total Depth: VARIED		Total Number of Samples: 22	
Bucket Width: 4 ft.	Trench Length: ~152 ft.	Trench Width: VARIABLE FROM 20-77 ft.		No. of Samples:	Bulk: \emptyset	Grab: 22	Drive: \emptyset
Geologist or Hydrogeologist Date: N. Beatty 10/27/10 to 10/28/10				Checked by/Date: [Signature] 3/30/11			
Relief? (Circle One): <input checked="" type="radio"/> No						If Yes Depth = VARIED	
Photo? (Circle One): <input checked="" type="radio"/> No						No	
% Man-Made Debris:						Wall of Trench Shown (Circle One): N S E W NE NW SE SW	



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS

Project Name: 2010 ISRA Implementation				FIELD TRENCH LOG			
Trench Number: BITS0499		Project Number: 1008208.1163110		Elevation and Datum: SURVEYED BY SAGE		Location: B1-1B	
Equipment Supplier: MPE		Operator: DAVID WILMER		Date and Time Started: 10/27/10		Date and Time Completed: 10/28/10	
Equipment Type: EXCAVATOR		Trench Orientation: N-S		Total Depth: VARIOUS		Total Number of Samples: 22	
Bucket Width: 4.56	Trench Length: ~152.56	Trench Width: VARIABLE FROM 20-77.56	No. of Samples:	Bulk: \emptyset	Grab: 22	Drive: \emptyset	Hand Auger: \emptyset
Geologist or Hydrogeologist Date: Neal Beatty 10/27/10 to 10/28/10				Checked by/Date: ABJ PG 2/16/11 3/30/11			
Retest? (Circle One): <input checked="" type="radio"/> No						If Yes Depth: VARIOUS	
Photo? (Circle One): <input checked="" type="radio"/> No						No.	
% Man-Made Debris:						Wall of Trench Shown (Circle One): N S E W NE NW SE SW	



EXPLANATION

- SOIL TYPE CONTACT (SHARP)
- OTHER CONTACT (AS INDICATED ON LOG)
- FILL/NATIVE BOUNDARY
- ANALYTICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- GEOTECHNICAL SAMPLE LOCATION (WRITE SAMPLE NUMBER OUT TO SIDE)
- SHADING TO DENOTE STAINING
- BASE OF EXCAVATION
- SHOW LOCATIONS AND TYPES OF ALL MAJOR DEBRIS